

Exercise 33

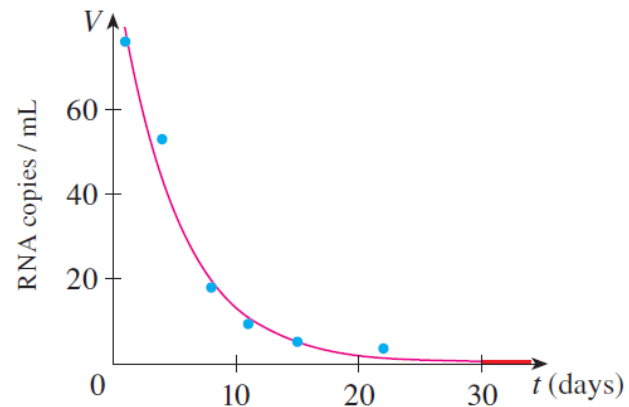
Use the graph of V in Figure 11 to estimate the half-life of the viral load of patient 303 during the first month of treatment.

Solution

Figure 11 is shown below.

FIGURE 11

Exponential model for viral load



The half-life is the time it takes for the initial number of (RNA copies/mL) to drop by half.

$$\lambda \approx 5 \text{ days}$$